

## Bill of Material for Ball Valve

<i>3D printed valve components</i>			<i>Sourced Components</i>			
Component Description	Quantity	Mass of Material (kg)	Component Description	Quantity	Price per component	Total Price
Valve Casing	1	0.046	012 O-rings	4	\$0.66	\$2.64
Barbed hose attachments	2	0.006	125 O-rings	2	\$0.51	\$1.02
End Cap	2	0.035	O-ring	2	\$0.55	\$1.10
Valve Handle	1	0.01	Epoxy			\$0.00
Valve Handle Casing	1	0.006	M5 Nut	8	\$0.37	\$2.96
Ball	1	0.02	M5 Washer	8	\$0.08	\$0.64
	Total Mass	0.123	M5 Threaded Rod	4	\$1.10	\$4.40
	Cost of PLA 1kg spool	\$ 22.00			Total Price =	\$12.76
	Cost of PLA	\$ 2.71				
Total Cost (cost of PLA material plus component		\$15.47				